

Hardware Manufacturing: 2002

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2002 Economic Census

Manufacturing

Industry Series



U S C E N S U S B U R E A U

Helping You Make Informed Decisions

U.S. Department of Commerce
Economics and Statistics Administration
U.S. CENSUS BUREAU



Table 1. Historical Statistics for the Industry: 2002 and Earlier Years

[Data based on the 2002 Economic Census and the 2002 Annual Survey of Manufactures (ASM). For information on confidentiality protection, sampling error, nonsampling error, and explanation of terms, see note at end of table. For meaning of abbreviations and symbols, see introductory text]

Industry and year ¹	Com- panies ²	All estab- lish- ments ³	All employees		Production workers			Value added (\$1,000)	Total cost of materials (\$1,000)	Total value of shipments (\$1,000)	Total capital expendi- tures (\$1,000)
			Number ⁴	Payroll (\$1,000)	Number ⁴	Hours (1,000)	Wages (\$1,000)				
332510, Hardware manufacturing 2002..	809	897	60 036	2 053 144	45 652	89 168	1 273 881	5 940 845	4 284 269	10 225 196	295 371
2001..	N	N	65 394	2 156 089	49 167	95 304	1 301 349	6 000 592	4 839 576	10 942 297	291 088
2000..	N	N	71 749	2 336 764	55 026	107 238	1 447 199	6 744 131	5 285 380	11 994 257	391 798
1999..	N	N	70 844	2 284 950	54 004	108 403	1 413 520	6 633 140	4 862 668	11 408 920	350 881
1998..	N	N	73 075	2 273 941	56 646	112 796	1 458 140	6 041 868	4 920 229	11 058 137	352 695
1997..	906	1 011	75 437	2 327 164	58 122	116 400	1 516 675	6 162 972	4 937 806	11 061 736	383 483

¹Statistics presented for years ending in 2 and 7 are census data. Interim census years are derived in a representative sample of manufacturing establishments canvassed in the Annual Survey of Manufactures (ASM).

²For the census, a company is defined as a business organization consisting of one establishment or more under common ownership or control.

³Includes establishments with payroll at any time during the year.

⁴Number of employees figures represent average number of production workers for pay period that includes the 12th of March, May, August, and November plus other employees for payroll period that includes the 12th of March.

Note: The data in this table are based on the 2002 Economic Census and the 2002 Annual Survey of Manufactures (ASM). To maintain confidentiality, the Census Bureau suppresses data to protect the identity of any business or individual. The census results in this table contain sampling errors and nonsampling errors. Data users who create their own estimates using data from American FactFinder tables should cite the Census Bureau as the source of the original data only. For explanation of terms, see Appendix A. For full technical documentation, see Appendix C.

Table 2. Industry Statistics for Selected States: 2002

[States that are a disclosure or with less than 100 employees are not shown. Data based on the 2002 Economic Census. For information on confidentiality protection, nonsampling error, explanation of terms, and geographical definitions, see note at end of table. For information on geographic areas followed by *, see Appendix D. For meaning of abbreviations and symbols, see introductory text]

Industry and geographic area	E ¹	All establishments ²		All employees		Production workers			Value added (\$1,000)	Total cost of materials (\$1,000)	Total value of shipments (\$1,000)	Total capital expenditures (\$1,000)
		Total	With 20 employees or more	Number ³	Payroll (\$1,000)	Number ³	Hours (1,000)	Wages (\$1,000)				
332510, Hardware manufacturing												
United States	1	897	382	60 036	2 053 144	45 652	89 168	1 273 881	5 940 845	4 284 269	10 225 196	295 371
Alabama	2	13	9	963	28 899	830	1 627	22 997	79 915	63 372	138 954	2 858
Arizona	—	20	8	486	18 938	305	616	8 679	63 403	71 082	137 467	3 590
Arkansas	—	7	2	734	15 465	606	816	8 079	39 596	26 478	65 956	274
California	1	134	53	4 876	177 356	3 375	7 297	95 297	485 129	253 615	742 070	29 558
Colorado	—	10	4	1 045	43 762	728	1 714	21 229	68 165	90 866	159 294	1 530
Connecticut	1	35	18	2 331	91 804	1 714	3 541	56 238	267 394	161 282	425 113	14 996
Florida	2	35	7	1 124	29 704	926	2 020	19 474	69 680	35 358	103 757	2 578
Georgia	2	19	8	1 649	46 445	1 350	2 794	32 389	109 260	162 118	252 881	7 440
Illinois	—	69	36	5 399	197 213	4 017	6 997	117 782	561 852	317 841	883 792	24 876
Indiana	—	36	25	4 561	156 578	3 458	6 792	103 767	648 603	278 186	932 002	23 531
Iowa	—	10	3	720	21 025	499	959	11 053	41 979	57 530	99 529	2 450
Kansas	3	5	2	101	2 670	77	162	1 792	6 758	4 649	11 375	443
Kentucky	—	15	13	2 079	63 916	1 613	3 381	43 661	179 630	199 506	378 174	11 191
Maryland	6	6	2	330	10 097	264	491	6 592	28 386	7 910	36 787	1 314
Massachusetts	2	19	10	870	30 828	648	1 382	17 448	69 478	44 022	112 681	4 201
Michigan	2	56	27	6 802	219 648	5 508	10 637	148 727	400 362	364 390	764 965	27 417
Minnesota	—	19	3	1 231	40 382	925	1 806	23 802	125 572	57 365	183 330	5 934
Mississippi	—	13	7	1 549	43 506	1 415	2 807	38 209	120 658	97 764	218 629	9 549
Missouri	4	9	1	122	3 698	100	215	2 662	7 686	6 126	13 850	264
Nevada	—	5	2	147	5 672	71	143	1 907	21 902	9 582	31 620	496
New Hampshire	5	3	2	243	9 255	193	401	6 180	18 498	9 169	27 605	926
New Jersey	1	17	4	306	10 813	268	582	8 654	40 018	12 947	52 851	1 182
New York	1	48	21	2 137	85 934	1 578	3 465	52 940	241 829	151 413	394 143	7 392
North Carolina	—	27	13	3 018	83 637	2 459	4 469	55 559	240 611	151 498	389 792	9 658
Ohio	1	55	26	4 120	161 517	2 763	5 771	98 994	565 623	353 647	925 013	24 064
Oregon	6	10	4	412	10 761	332	405	5 987	42 855	42 726	85 651	3 318
Pennsylvania	—	32	15	2 498	79 803	1 899	2 910	44 784	261 012	143 102	405 225	26 349
Rhode Island	5	6	2	139	4 735	95	194	2 119	14 630	3 947	18 411	648
South Dakota	—	6	5	378	10 688	297	633	7 902	27 831	27 594	54 110	578
Tennessee	—	18	11	3 349	102 718	2 686	4 728	71 666	319 023	558 423	875 747	14 882
Texas	1	42	9	1 240	42 252	979	2 131	27 595	111 215	100 079	213 410	6 129
Utah	1	6	2	120	3 192	88	179	2 059	8 426	7 831	16 383	530
Washington	2	19	4	266	8 863	202	342	5 279	27 235	15 374	41 609	3 697
Wisconsin	—	26	12	2 161	106 260	1 376	2 665	51 740	341 695	214 528	566 808	12 222

¹Some payroll and sales data for small single-establishment companies with up to 20 employees (cutoff varied by industry) were obtained from administrative records of other government agencies rather than from census report forms. These data were then used in conjunction with industry averages to estimate statistics for these small establishments. This technique was also used for a small number of other establishments whose reports were not received at the time data were tabulated. The following symbols are shown where estimated data account for 10 percent or more of the figures shown: 1–10 to 19 percent; 2–20 to 29 percent; 3–30 to 39 percent; 4–40 to 49 percent; 5–50 to 59 percent; 6–60 to 69 percent; 7–70 to 79 percent; 8–80 to 89 percent; 9–90 percent or more.

²Includes establishments with payroll at any time during the year.

³Number of employees figures represent average number of production workers for pay period that includes the 12th of March, May, August, and November plus other employees for payroll period that includes the 12th of March.

Note: The data in this table are based on the 2002 Economic Census. To maintain confidentiality, the Census Bureau suppresses data to protect the identity of any business or individual. The census results in this table contain nonsampling errors. Data users who create their own estimates using data from American FactFinder tables should cite the Census Bureau as the source of the original data only. For explanation of terms, see Appendix A. For full technical documentation, see Appendix C. For geographical definitions, see Appendix D.

Table 3. Detailed Statistics by Industry: 2002

[Data based on the 2002 Economic Census and the 2002 Annual Survey of Manufactures (ASM). For information on confidentiality protection, sampling error, nonsampling error, and explanation of terms, see note 2 at end of table. For meaning of abbreviations and symbols, see introductory text]

Item	Value
332510, Hardware manufacturing	
Companies ¹	number.. 809
All establishments ²	number.. 897
Establishments with 1 to 19 employees	number.. 515
Establishments with 20 to 99 employees	number.. 245
Establishments with 100 employees or more	number.. 137
All employees ³	number.. 60 036
Total compensation	\$1,000.. 2 651 689
Annual payroll	\$1,000.. 2 053 144
Total fringe benefits	\$1,000.. 598 545
Production workers, average for year	number.. 45 652
Production workers on March 12	number.. 46 051
Production workers on May 12	number.. 46 197
Production workers on August 12	number.. 45 773
Production workers on November 12	number.. 44 499
Production worker hours	1,000.. 89 168
Production worker wages	\$1,000.. 1 273 881
Total cost of materials	\$1,000.. 4 284 269
Materials, parts, containers, packaging, etc., used	\$1,000.. 3 694 352
Resales	\$1,000.. 324 641
Purchased fuels	\$1,000.. 27 241
Purchased electricity	\$1,000.. 66 853
Contract work	\$1,000.. 171 182
Quantity of electricity purchased for heat and power	1,000 kWh.. 1 069 345
Quantity of electricity generated less sold for heat and power	1,000 kWh.. S
Total value of shipments	\$1,000.. 10 225 196
Primary products value of shipments	\$1,000.. 9 217 131
Secondary products value of shipments	\$1,000.. 468 571
Total miscellaneous receipts	\$1,000.. 539 494
Value of resales	\$1,000.. 459 881
Contract receipts	\$1,000.. 18 469
Other miscellaneous receipts	\$1,000.. 61 144
Primary products specialization ratio	percent.. 95
Value of primary products shipments made in all industries	\$1,000.. 9 632 236
Value of primary products shipments made in this industry	\$1,000.. 9 217 131
Value of primary products shipments made in other industries	\$1,000.. 415 105
Coverage ratio	percent.. 96
Value added	\$1,000.. 5 940 845
Total inventories, beginning of year	\$1,000.. 1 140 550
Finished goods inventories	\$1,000.. 387 303
Work-in-process inventories	\$1,000.. 326 294
Materials and supplies inventories	\$1,000.. 426 953
Total inventories, end of year	\$1,000.. 1 121 237
Finished goods inventories	\$1,000.. 405 832
Work-in-process inventories	\$1,000.. 307 683
Materials and supplies inventories	\$1,000.. 407 722
Gross value of depreciable assets (acquisition costs) at beginning of year	\$1,000.. 4 087 017
Total capital expenditures (new and used)	\$1,000.. 295 371
Buildings and other structures (new and used)	\$1,000.. 46 119
Machinery and equipment (new and used)	\$1,000.. 249 252
Automobiles, trucks, etc., for highway use	\$1,000.. 8 825
Computers and peripheral data processing equipment	\$1,000.. 22 480
All other expenditures for machinery and equipment	\$1,000.. 217 947
Total retirements	\$1,000.. 169 465
Gross value of depreciable assets at end of year	\$1,000.. 4 212 923
Depreciation charges during year	\$1,000.. 278 260
Total rental payments	\$1,000.. 87 675
Buildings and other structures	\$1,000.. 50 139
Machinery and equipment	\$1,000.. 37 536
Total other expenses ⁴	\$1,000.. 921 603
Response coverage ratio ⁵	percent.. 89
Repair and maintenance services of buildings and/or machinery ⁴	\$1,000.. 78 851
Communications services ⁴	\$1,000.. 19 561
Legal services ⁴	\$1,000.. 15 433
Accounting, auditing, and bookkeeping services ⁴	\$1,000.. 8 001
Advertising and promotional services ⁴	\$1,000.. 67 081
Expensed computer hardware and supplies and purchased computer services ⁴	\$1,000.. 16 935
Refuse removal (including hazardous waste) services ⁴	\$1,000.. 8 497
Management consulting and administrative services ⁴	\$1,000.. 39 343
Taxes and license fees ⁴	\$1,000.. 40 128
All other expenses ⁴	\$1,000.. 627 772

¹For the census, a company is defined as a business organization consisting of one establishment or more under common ownership or control.

²Includes establishments with payroll at any time during the year.

³Number of employees figures represent average number of production workers for pay period that includes the 12th of March, May, August, and November plus other employees for payroll period that includes the 12th of March.

⁴Based on Annual Survey of Manufactures (ASM) sample data.

⁵A response coverage ratio is derived for this item by calculating the ratio of the weighted employment (establishment data multiplied by sample weight) for those Annual Survey of Manufactures (ASM) establishments that reported to the weighted total employment for all ASM establishments classified in this industry.

Note 1: The amounts shown for other expenses reflect only those services that establishments purchase from other companies.

Note 2: The data in this table are based on the 2002 Economic Census and the 2002 Annual Survey of Manufactures (ASM). To maintain confidentiality, the Census Bureau suppresses data to protect the identity of any business or individual. The census results in this table contain sampling errors and nonsampling errors. Data users who create their own estimates using data from American FactFinder tables should cite the Census Bureau as the source of the original data only. For explanation of terms, see Appendix A. For full technical documentation, see Appendix C.

Table 4. Industry Statistics by Employment Size: 2002

[Data based on the 2002 Economic Census. For information on confidentiality protection, nonsampling error, and explanation of terms, see note at end of table. For meaning of abbreviations and symbols, see introductory text]

Employment size class	E ¹	All establishments ²	All employees		Production workers			Value added (\$1,000)	Total cost of materials (\$1,000)	Total value of shipments (\$1,000)	Total capital expenditures (\$1,000)
			Number ³	Payroll (\$1,000)	Number ³	Hours (1,000)	Wages (\$1,000)				
332510, Hardware manufacturing											
All establishments	1	897	60 036	2 053 144	45 652	89 168	1 273 881	5 940 845	4 284 269	10 225 196	295 371
Establishments with—											
1 to 4 employees	9	258	f	D	D	D	D	D	D	D	D
5 to 9 employees	8	125	822	26 937	627	1 234	16 851	68 409	47 977	116 612	4 138
10 to 19 employees	6	132	1 830	61 697	1 357	2 662	35 710	171 991	110 901	281 552	8 862
20 to 49 employees	2	143	4 615	159 191	3 260	6 424	87 352	400 936	260 364	660 542	32 756
50 to 99 employees	1	102	7 191	246 636	5 167	10 121	137 020	658 637	487 610	1 147 145	27 791
100 to 249 employees	1	77	11 848	383 238	8 772	17 527	226 983	1 107 291	778 219	1 893 683	70 955
250 to 499 employees	—	36	12 938	428 825	9 956	18 785	275 370	1 221 873	1 031 593	2 248 771	54 214
500 to 999 employees	—	19	12 562	472 775	9 658	18 655	286 635	1 618 591	889 564	2 507 851	75 018
1,000 to 2,499 employees	—	4	4 622	171 007	3 745	7 791	127 771	573 164	600 691	1 171 739	14 805
2,500 employees or more	—	1	h	D	D	D	D	D	D	D	D
Administrative records ⁴	9	409	2 277	74 369	1 779	3 538	46 368	198 859	133 794	332 644	12 108

¹Some payroll and sales data for small single-establishment companies with up to 20 employees (cutoff varied by industry) were obtained from administrative records of other government agencies rather than from census report forms. These data were then used in conjunction with industry averages to estimate statistics for these small establishments. This technique was also used for a small number of other establishments whose reports were not received at the time data were tabulated. The following symbols are shown where estimated data account for 10 percent or more of the figures shown: 1–10 to 19 percent; 2–20 to 29 percent; 3–30 to 39 percent; 4–40 to 49 percent; 5–50 to 59 percent; 6–60 to 69 percent; 7–70 to 79 percent; 8–80 to 89 percent; 9–90 percent or more.

²Includes establishments with payroll at any time during the year.

³Number of employees figures represent average number of production workers for pay period that includes the 12th of March, May, August, and November plus other employees for payroll period that includes the 12th of March.

⁴Some payroll and sales data for small single-establishment companies with up to 20 employees (cutoff varied by industry) were obtained from administrative records of other government agencies rather than from census report forms. These data were then used in conjunction with industry averages to estimate statistics for these small establishments. Data are also included in respective size classes shown.

Note: The data in this table are based on the 2002 Economic Census. To maintain confidentiality, the Census Bureau suppresses data to protect the identity of any business or individual. The census results in this table contain nonsampling errors. Data users who create their own estimates using data from American FactFinder tables should cite the Census Bureau as the source of the original data only. For explanation of terms, see Appendix A. For full technical documentation, see Appendix C.

Table 5. Industry Statistics by Primary Product Class Specialization: 2002

[Data based on the 2002 Economic Census. For information on confidentiality protection, nonsampling error, and explanation of terms, see note at end of table. For meaning of abbreviations and symbols, see introductory text]

Industry or product class code	Industry or primary product class	All establishments ¹	All employees		Production workers			Value added (\$1,000)	Total cost of materials (\$1,000)	Total value of shipments (\$1,000)	Total capital expenditures (\$1,000)
			Number ²	Payroll (\$1,000)	Number ²	Hours (1,000)	Wages (\$1,000)				
332510	Hardware manufacturing	897	60 036	2 053 144	45 652	89 168	1 273 881	5 940 845	4 284 269	10 225 196	295 371
3325102	Furniture hardware (excluding cabinet hardware)	44	6 035	182 718	4 998	9 068	125 949	441 676	324 859	765 789	34 048
3325104	Builders' hardware	186	27 076	987 279	19 623	38 932	565 872	3 254 873	1 902 403	5 154 721	152 422
3325106	Motor vehicle hardware (lock units, door and window handles, window regulators, hinges, license plate brackets, etc.)	42	14 626	475 891	11 705	22 298	333 476	1 260 504	1 419 370	2 680 662	55 310
3325107	Other transportation equipment hardware (except motor vehicle hardware)	49	3 277	106 387	2 460	5 026	61 885	228 575	113 994	342 154	16 683
332510A	All other miscellaneous hardware ...	54	3 755	127 203	2 810	5 814	79 423	328 918	253 579	581 140	10 335

¹Includes establishments with payroll at any time during the year.

²Number of employees figures represent average number of production workers for pay period that includes the 12th of March, May, August, and November plus other employees for payroll period that includes the 12th of March.

Note: The data in this table are based on the 2002 Economic Census. To maintain confidentiality, the Census Bureau suppresses data to protect the identity of any business or individual. The census results in this table contain nonsampling errors. Data users who create their own estimates using data from American FactFinder tables should cite the Census Bureau as the source of the original data only. For explanation of terms, see Appendix A. For full technical documentation, see Appendix C.

Table 6a. Products Statistics: 2002 and 1997

[Includes quantity and value of products of this industry produced by (1) establishments classified in this industry (primary) and (2) establishments classified in other industries (secondary). Transfers of products of this industry from one establishment of a company to another establishment of the same company (interplant transfers) are also included. Data based on the 2002 Economic Census. For information on confidentiality protection, nonsampling error, and explanation of terms, see note 2 at end of table. For meaning of abbreviations and symbols, see introductory text]

Product code	Product	Number of companies with shipments of \$100,000 or more	Quantity of production for all purposes	Product shipments	
				Quantity	Value (\$1,000)
332510	Hardware manufacturing	2002.. N 1997.. N	X X	X X	9 632 236 10 740 855
3325102	Furniture hardware (excluding cabinet hardware)	2002.. N 1997.. N	X X	X X	718 017 N
33251021	Furniture hardware (excluding cabinet hardware)	2002.. N 1997.. N	X X	X X	718 017 N
3325102106	Rotating and tilting furniture fixtures and bases	2002.. 10 1997.. N	X X	X X	329 323 N
3325102111	Furniture hardware (including drawer pulls and handles, etc.) (excluding furniture and drawer slides)	2002.. 15 1997.. N	X X	X X	154 180 N
3325102116	Furniture and drawer slides	2002.. 10 1997.. N	X X	X X	D N
3325102121	Furniture casters	2002.. 12 1997.. N	X X	X X	101 590 N
3325102134	Other floor protective furniture hardware devices	2002.. 8 1997.. N	X X	X X	D N
3325102Y	Furniture hardware (excluding cabinet hardware), nsk	2002.. N 1997.. N	X X	X X	— N
3325102YVV	Furniture hardware (excluding cabinet hardware), nsk	2002.. N 1997.. N	X X	X X	— N
3325104	Builders' hardware	2002.. N 1997.. N	X X	X X	4 762 423 N
33251042	Bored doorlocks, locksets, and lock trim, cylindrical and tubular (except deadlocks)	2002.. N 1997.. N	X X	X X	790 197 N
3325104216	Bored doorlocks, locksets, and lock trim, cylindrical and tubular (except deadlocks)	2002.. 18 1997.. N	X X	X X	790 197 N
33251043	Architectural trim and other miscellaneous closet hardware	2002.. N 1997.. N	X X	X X	969 098 N
3325104341	Key blanks	2002.. 12 1997.. N	X X	X X	93 780 N
3325104346	Exit devices (including fire exit hardware)	2002.. 12 1997.. N	X X	X X	381 258 N
3325104336	All other miscellaneous architectural trim (sold separately) (including protection plates, push plates, pulls, push-pull bars, lock trim, etc.)	2002.. 24 1997.. N	X X	X X	128 150 N
3325104363	Surface applied door controls, closers, and checking devices	2002.. 16 1997.. N	X X	X X	265 517 N
3325104365	Concealed (overhead, in the door, on the floor) door controls, closers, and checking devices	2002.. 7 1997.. N	X X	X X	25 045 N
3325104367	Electromechanical-pneumatic door controls, closers, and checking devices (with hold-open mechanism released by integral or remote smoke detector)	2002.. 6 1997.. N	X X	X X	28 180 N
3325104361	Miscellaneous closet hardware (including shelving other than wire and decorative shelving)	2002.. 12 1997.. N	X X	X X	47 168 N
33251044	Screen and storm door hardware (including pneumatic and hydraulic closers and window locks)	2002.. N 1997.. N	X X	X X	410 435 N
3325104451	Screen and storm door hardware (including pneumatic and hydraulic closers)	2002.. 5 1997.. N	X X	X X	D N
3325104456	Window hardware (including window locks)	2002.. 33 1997.. N	X X	X X	D N
33251045	Hinges and cabinet hardware	2002.. N 1997.. N	X X	X X	670 588 N
3325104569	Butt hinges, including spring hinges (excluding cabinet hinges), 3 1/2 in. by 3 1/2 in. or less	2002.. 18 1997.. N	X X	X X	41 669 N
3325104571	Butt hinges, including spring hinges (excluding cabinet hinges), more than 3 1/2 in. by 3 1/2 in., either dimension	2002.. 19 1997.. N	X X	X X	157 510 N
3325104573	Other hinges, including spring hinges (excluding cabinet hinges)	2002.. 20 1997.. N	X X	X X	66 289 N
3325104575	Cabinet hinges	2002.. 12 1997.. N	X X	X X	39 871 N
3325104579	Cabinet locks	2002.. 10 1997.. N	X X	X X	31 250 N
3325104581	Cabinet knobs, pulls, and catches	2002.. 15 1997.. N	X X	X X	88 618 N
3325104583	Other cabinet hardware (including drawer slides, etc.)	2002.. 20 1997.. N	X X	X X	245 381 N
33251046	Other builders' hardware	2002.. N 1997.. N	X X	X X	798 965 N
3325104685	Hangers, tracks, and related builders' hardware items (except sliding and folding door hardware), residential and commercial	2002.. 38 1997.. N	X X	X X	302 974 N
3325104687	Sliding and folding door hardware, residential and commercial	2002.. 24 1997.. N	X X	X X	107 674 N
3325104689	Door holders and stops (overhead, surface, and concealed), floor and wall mounted	2002.. 18 1997.. N	X X	X X	44 675 N
3325104691	Rim locks and all other locking devices	2002.. 15 1997.. N	X X	X X	38 679 N
3325104699	Other builders' hardware	2002.. 55 1997.. N	X X	X X	304 963 N
33251047	Padlocks and locksets	2002.. N 1997.. N	X X	X X	1 109 737 N
3325104701	Pin tumbler padlocks	2002.. 7 1997.. N	X X	X X	183 904 N

See footnotes at end of table.

Table 6a. Products Statistics: 2002 and 1997—Con.

[Includes quantity and value of products of this industry produced by (1) establishments classified in this industry (primary) and (2) establishments classified in other industries (secondary). Transfers of products of this industry from one establishment of a company to another establishment of the same company (interplant transfers) are also included. Data based on the 2002 Economic Census. For information on confidentiality protection, nonsampling error, and explanation of terms, see note 2 at end of table. For meaning of abbreviations and symbols, see introductory text]

Product code	Product	Number of companies with shipments of \$100,000 or more	Quantity of production for all purposes	Product shipments	
				Quantity	Value (\$1,000)
332510	Hardware manufacturing—Con.				
3325104	Builders' hardware—Con.				
33251047	Padlocks and locksets—Con.				
3325104711	All other padlocks	2002.. 12	X	X	64 900
		1997.. N	X	X	N
3325104721	Mortised doorlocks, locksets, and lock trim (except mortised deadlocks)	2002.. 12	X	X	120 637
		1997.. N	X	X	N
3325104726	Tubular and mortised deadlocks	2002.. 12	X	X	159 278
		1997.. N	X	X	N
3325104728	Fabricated metal safe and vault locks	2002.. 7	X	X	109 209
		1997.. N	X	X	N
3325104731	Electronically or electrically operated doorlocks, locksets, and lock trim	2002.. 15	X	X	179 086
		1997.. N	X	X	N
3325104733	All other doorlocks, locksets, and lock trim types	2002.. 19	X	X	292 723
		1997.. N	X	X	N
3325104Y	Builders' hardware, nsk	2002.. N	X	X	13 403
		1997.. N	X	X	N
3325104YWV	Builders' hardware, nsk	2002.. N	X	X	13 403
		1997.. N	X	X	N
3325106	Motor vehicle hardware (lock units, door and window handles, window regulators, hinges, license plate brackets, etc.)	2002.. N	X	X	2 628 099
		1997.. N	X	X	N
33251061	Motor vehicle hardware (lock units, door and window handles, window regulators, hinges, license plate brackets, etc.)	2002.. N	X	X	2 628 099
		1997.. N	X	X	N
3325106100	Motor vehicle hardware (lock units, door and window handles, window regulators, hinges, license plate brackets, etc.)	2002.. 57	X	X	2 628 099
		1997.. N	X	X	N
3325107	Other transportation equipment hardware (except motor vehicle hardware)	2002.. N	X	X	335 791
		1997.. N	X	X	508 822
33251071	Other transportation equipment hardware (except motor vehicle hardware)	2002.. N	X	X	334 027
		1997.. N	X	X	499 791
3325107101	Marine hardware (including shackles, rope sockets, tackle blocks, wire rope clips, clamps, and joiners' hardware)	2002.. 42	X	X	110 908
		1997.. 55	X	X	186 671
3325107106	Aircraft hardware	2002.. 19	X	X	128 914
		1997.. 24	X	X	131 013
3325107111	Other transportation equipment hardware (including railroad car hardware)	2002.. 31	X	X	94 205
		1997.. 31	X	X	182 107
3325107Y	Other transportation equipment hardware (except motor vehicle hardware), nsk	2002.. N	X	X	1 764
		1997.. N	X	X	9 031
3325107YV	Other transportation equipment hardware (except motor vehicle hardware), nsk	2002.. N	X	X	1 764
		1997.. N	X	X	9 031
332510A	All other miscellaneous hardware	2002.. N	X	X	568 383
		1997.. N	X	X	N
332510A1	All other miscellaneous hardware	2002.. N	X	X	568 383
		1997.. N	X	X	N
332510A101	Casket and casket shell hardware	2002.. 11	X	X	46 002
		1997.. N	X	X	N
332510A106	Casters and wheels for dollies and industrial handtrucks	2002.. 20	X	X	170 705
		1997.. N	X	X	N
332510A121	Refrigerator and stove hardware	2002.. 5	X	X	55 367
		1997.. N	X	X	N
332510A193	Pulleys, metal (except power transmission), and block and tackle	2002.. 6	X	X	62 751
		1997.. N	X	X	N
332510A198	Other hardware, including saddlery and harness hardware (excluding drapery hardware)	2002.. 37	X	X	233 558
		1997.. N	X	X	N
332510AY	All other miscellaneous hardware, nsk	2002.. N	X	X	—
		1997.. N	X	X	N
332510AYV	All other miscellaneous hardware, nsk	2002.. N	X	X	—
		1997.. N	X	X	N
332510W	Hardware manufacturing, nsk, total	2002.. N	X	X	619 523
		1997.. N	X	X	288 423
332510WY	Hardware manufacturing, nsk, total	2002.. N	X	X	619 523
		1997.. N	X	X	288 423
332510WYWW	Hardware manufacturing, nsk, for nonadministrative-record establishments	2002.. N	X	X	295 684
		1997.. N	X	X	159 003
332510WYWY	Hardware manufacturing, nsk, for administrative-record establishments	2002.. N	X	X	323 839
		1997.. N	X	X	129 420

Note 1: For some establishments, data have been estimated from central unit values that are based on quantity-value relationships of reported data. The following symbols are used when percentage of each quantity figure estimated in this manner equals or exceeds 10 percent of published figure: p–10 to 19 percent estimated; q–20 to 29 percent estimated. If 30 percent or more is estimated, figure is replaced by S.

Note 2: The data in this table are based on the 2002 Economic Census. To maintain confidentiality, the Census Bureau suppresses data to protect the identity of any business or individual. The census results in this table contain nonsampling errors. Data users who create their own estimates using data from American FactFinder tables should cite the Census Bureau as the source of the original data only. For explanation of terms, see Appendix A. For full technical documentation, see Appendix C.

Table 6b. **Product Class Shipments for Selected States: 2002 and 1997**

[Product classes covered are those that are economically significant and whose production is geographically dispersed, provided dispersion is not approximated by data in Table 2. Also, product classes are not shown if they are miscellaneous or "not specified by kind" classes. Statistics for some states are withheld because they are either less than \$2 million in product class shipments or they disclose data for individual companies in 2002. Data based on the 2002 Economic Census. For information on confidentiality protection, nonsampling error, explanation of terms, and geographic definitions, see note at end of table. For information on geographic areas followed by *, see Appendix D. For meaning of abbreviations and symbols, see introductory text]

NAICS product class code	Product class and geographic area	Value of product shipments (\$1,000)
3325102	Furniture hardware (excluding cabinet hardware)	
	United States	2002 718 017
		1997 N
	California	2002 77 984
		1997 N
	Illinois	2002 17 409
		1997 N
	Michigan	2002 106 102
		1997 N
	North Carolina	2002 86 092
		1997 N
	Ohio	2002 3 232
		1997 N
3325104	Builders' hardware	
	United States	2002 4 762 423
		1997 N
	Arizona	2002 109 609
		1997 N
	Arkansas	2002 3 479
		1997 N
	California	2002 316 721
		1997 N
	Connecticut	2002 325 418
		1997 N
	Florida	2002 6 916
		1997 N
	Illinois	2002 631 904
		1997 N
	Indiana	2002 517 130
		1997 N
	Kentucky	2002 124 275
		1997 N
	Maryland	2002 14 612
		1997 N
	Massachusetts	2002 70 595
		1997 N
	Michigan	2002 132 487
		1997 N
	Mississippi	2002 52 023
		1997 N
	New Jersey	2002 40 435
		1997 N
	New York	2002 165 262
		1997 N
	North Carolina	2002 241 312
		1997 N
	Ohio	2002 227 644
		1997 N
	Pennsylvania	2002 255 050
		1997 N
	Tennessee	2002 80 657
		1997 N
	Texas	2002 142 950
		1997 N
	Washington	2002 9 803
		1997 N
	Wisconsin	2002 236 497
		1997 N
3325106	Motor vehicle hardware (lock units, door and window handles, window regulators, hinges, license plate brackets, etc.)	
	United States	2002 2 628 099
		1997 N
	Illinois	2002 57 789
		1997 N
	Michigan	2002 400 748
		1997 N
	Tennessee	2002 730 722
		1997 N
3325107	Other transportation equipment hardware (except motor vehicle hardware)	
	United States	2002 335 791
		1997 508 822
	California	2002 122 125
		1997 113 231
	Florida	2002 46 988
		1997 55 547
	Indiana	2002 9 500
		1997 9 055
	Kansas	2002 4 902
		1997 5 297
	Michigan	2002 18 926
		1997 111 560
	Minnesota	2002 9 906
		1997 N
	Ohio	2002 27 057
		1997 36 298
	Pennsylvania	2002 12 535
		1997 14 400
	Washington	2002 8 326
		1997 N
332510A	All other miscellaneous hardware	
	United States	2002 568 383
		1997 N
	California	2002 31 847
		1997 N
	Connecticut	2002 33 424

See footnotes at end of table.

Table 6b. **Product Class Shipments for Selected States: 2002 and 1997—Con.**

[Product classes covered are those that are economically significant and whose production is geographically dispersed, provided dispersion is not approximated by data in Table 2. Also, product classes are not shown if they are miscellaneous or "not specified by kind" classes. Statistics for some states are withheld because they are either less than \$2 million in product class shipments or they disclose data for individual companies in 2002. Data based on the 2002 Economic Census. For information on confidentiality protection, nonsampling error, explanation of terms, and geographic definitions, see note at end of table. For information on geographic areas followed by *, see Appendix D. For meaning of abbreviations and symbols, see introductory text]

NAICS product class code	Product class and geographic area	Value of product shipments (\$1,000)
332510A	All other miscellaneous hardware—Con.	
	United States—Con.	
	1997..	N
	Georgia	2002.. 48 208
	1997..	N
	Illinois	2002.. 51 279
	1997..	N
	Indiana	2002.. 43 947
	1997..	N
	Michigan	2002.. 36 997
	1997..	N
	New Jersey	2002.. 3 202
	1997..	N
	Ohio	2002.. 21 480
	1997..	N
	Pennsylvania	2002.. 13 945
	1997..	N

Note: The data in this table are based on the 2002 Economic Census. To maintain confidentiality, the Census Bureau suppresses data to protect the identity of any business or individual. The census results in this table contain nonsampling errors. Data users who create their own estimates using data from American FactFinder tables should cite the Census Bureau as the source of the original data only. For explanation of terms, see Appendix A. For full technical documentation, see Appendix C. For geographical definitions, see Appendix D.

Table 7. Materials Consumed by Kind: 2002 and 1997

[Includes quantity and cost of materials consumed or put into production by establishments classified only in this industry. Data based on the 2002 Economic Census. For information on confidentiality protection, nonsampling error, and explanation of terms, see note 2 at end of table. For meaning of abbreviations and symbols, see introductory text]

Material code	Material consumed	Quantity	Delivered cost (\$1,000)
332510	Hardware manufacturing		
00900001	Total materials .....2002..	X	3 694 352
	.....1997..	X	4 353 866
33251005	Metal hardware (including hinges, handles, locks, casters, etc.) .....2002..	X	326 624
	.....1997..	X	217 713
33272203	Metal bolts, nuts, screws, washers, rivets, and other screw machine products .....2002..	X	128 023
	.....1997..	X	157 397
332000AC	Metal stampings .....2002..	X	241 833
	.....1997..	X	267 118
33290009	Fabricated metal wire products (including wire rope, cable, springs, etc.) .....2002..	X	35 411
	.....1997..	X	25 028
33200013	All other fabricated metal products (excluding forgings) .....2002..	X	243 534
	.....1997..	X	135 691
33151001	Iron and steel castings (rough and semifinished) .....2002..	X	62 542
	.....1997..	X	99 542
33152005	Aluminum and aluminum-base alloy castings (rough and semifinished) .....2002..	X	52 295
	.....1997..	X	39 124
33152500	Copper and copper-base alloy castings (rough and semifinished) .....2002..	X	17 678
	.....1997..	X	21 373
33152800	Zinc and zinc-base alloy castings (rough and semifinished) .....2002..	X	88 940
	.....1997..	X	92 403
33152007	All other nonferrous castings (rough and semifinished) .....2002..	X	10 342
	.....1997..	X	6 792
33210000	Forgings .....2002..	X	25 953
	.....1997..	X	N
33120007	Steel bars, bar shapes, and plate (excluding castings, forgings, and fabricated metal products) .....2002..	X	60 685
	.....1997..	X	108 421
33120073	Steel sheet, strip, and tin mill products .....2002..	X	292 527
	.....1997..	X	517 887
33120025	Steel wire and wire products .....2002..	X	40 041
	.....1997..	X	102 904
33120027	All other steel shapes and forms (excluding castings, forgings, fabricated metal products, bars, bar shapes, plate, sheet, strip, tin mill products, wire and wire products) .....2002..	X	77 869
	.....1997..	X	197 827
33142105	Copper and copper-base alloy rod, bar, and mechanical wire (including extruded and drawn shapes) .....2002..	X	20 423
	.....1997..	X	46 750
33142133	Copper and copper-base alloy sheet, strip, and plate .....2002..	X	10 291
	.....1997..	X	69 899
33142113	All other copper and copper-base alloy shapes and forms (excluding castings, forgings, fabricated metal products, rods, bars, mechanical wire, sheet, plate, and strip) .....2002..	X	10 397
	.....1997..	X	25 455
33131500	Aluminum and aluminum-base alloy sheet, plate, foil, and welded tubing .....2002..	X	16 203
	.....1997..	X	N
33131601	Aluminum and aluminum-base alloy extruded shapes (extruded rod, bar, pipe, tube, etc.) .....2002..	X	22 917
	.....1997..	X	N
33100049	Other aluminum and aluminum-base alloy shapes and forms (excluding castings, forgings, sheet, plate, foil, welded tubing, extruded shapes, and fabricated metal products) .....2002..	X	54 656
	.....1997..	X	33 585
33149104	Zinc and zinc-base alloy shapes and forms (excluding castings, forgings, and fabricated metal products) .....2002..	X	24 666
	.....1997..	X	N
33100067	All other nonferrous shapes and forms (excluding castings, forgings, and fabricated metal products) .....2002..	X	9 860
	.....1997..	X	N
331000AA	Metal powders .....2002..	X	31 541
	.....1997..	X	29 166
32600017	Fabricated rubber products (excluding tires, tubes, hose, belting, and gaskets) .....2002..	X	D
	.....1997..	X	N
32610003	Plastics products, including film, sheet, rod, tube, and fabricated shapes (including parts, handles, grips, etc.) .....2002..	X	127 083
	.....1997..	X	132 057
32600003	All other rubber and miscellaneous plastics products .....2002..	X	14 477
	.....1997..	X	35 105
32221001	Paperboard containers, boxes, and corrugated paperboard .....2002..	X	100 250
	.....1997..	X	96 553
32521105	Plastics resins consumed in the form of granules, pellets, powders, liquids, etc. ....2002..	X	43 019
	.....1997..	X	42 170
32720001	Glass and glass products .....2002..	X	D
	.....1997..	X	4 535
33531207	Electric motors, generators, and parts .....2002..	X	162 616
	.....1997..	X	344 726
00970099	All other materials and components, parts, containers, and supplies .....2002..	X	822 640
	.....1997..	X	872 999
00971000	Materials, ingredients, containers, and supplies, nsk .....2002..	X	489 856
	.....1997..	X	631 646

Note 1: For some establishments, data have been estimated from central unit values that are based on quantity-value relationships of reported data. The following symbols are used when percentage of each quantity figure estimated in this manner equals or exceeds 10 percent of published figure: p-10 to 19 percent estimated; q-20 to 29 percent estimated. If 30 percent or more is estimated, figure is replaced by S.

Note 2: The data in this table are based on the 2002 Economic Census. To maintain confidentiality, the Census Bureau suppresses data to protect the identity of any business or individual. The census results in this table contain nonsampling errors. Data users who create their own estimates using data from American FactFinder tables should cite the Census Bureau as the source of the original data only. For explanation of terms, see Appendix A. For full technical documentation, see Appendix C.